

# PROLINER®

## INSTALLATION



### STEP 1

Inspect existing drain pipe and make sure there are no cracks or signs of potential failure. Using asphalt scraper and wire brush that attaches to T-handle, clean existing drain line of asphalt, loose debris and moisture.



### STEP 2

Make sure the difference between the outside of the Proliner outlet and the inside diameter of the existing drain line is not greater than 3/8". Apply Proliner sealant to Proliner outlet and existing drain leader. Apply an extra amount to top inside of existing drain pipe. Spread sealant evenly around whole outlet; minimum 5" of lower portion. Remove the protective foam core from the outlet of the Proliner insert.



### STEP 3

Install Proliner drain into existing drain. Mechanically secure flange to roof assembly through to deck. When size of existing drain bowl calls for a funnel drain, but re-roofing membrane requires a clamping ring, use Proliner Straight with clamping ring option and provide support for the flange; i.e. use 1/2" treated plywood, rigid insulation with high compressive value, or fill bowl with spray polyurethane foam.



### STEP 4

Select proper sized expansion head for the Proliner tool using instructions in kit. Inset photo shows Proliner Expander Tool Kit consisting of:

- Proliner Expander Tool
- 3" and 4" Expansion Heads
- (1.5", 5", 6" Expansion Heads available as an option)



### STEP 5

Expand Proliner outlet 3" or more from copper flange and only when it is supported by existing drain pipe. Turn handle of Proliner Expander Tool clockwise to expand the lead outlet. Use approximately 12 half-turns for 3" and 4" diameter drains and 6 half-turns for 5" and 6" diameter drains.



### STEP 6

Upon completion of installation, feel and visually check the inside of the drain outlet to make sure it has been sufficiently expanded. Then, flash the flange to the membrane according to the instructions of the roofing system manufacturer. If clamping ring is used, hand tighten bolts using 7/16" (11mm) wrench. Secure strainer with the 3 bolts supplied.

### ARCHITECTURAL SPECIFICATIONS

Provide and install Marathon Proliner Drain consisting of 18" diameter, 20 oz. copper flange; plain finish for EPDM rubber and Hypalon; asphalt prime coated for BUR and Modified Bitumen; and PVC coated for PVC and other thermoplastic systems. The outlet shall be of malleable metal alloy sized according to existing drain and manufacturer's instructions. The difference between the I.D. of the existing drain and O.D. of the Proliner outlet, shall not be greater than 3/8".

### SELECTION GUIDE

Determine condition of existing roof drain style. Incorrect selection may prevent proper placement of flange on existing roof surface.

1. After Proliner Straight or Funnel has been selected to suit existing drain condition, the next consideration is the correct sizing of the Proliner outlet to the existing drain pipe. Example: if existing drain has a 3" inside dia., a No. 3 Proliner outlet which measures 2 13/16" outside dia. will easily fit. Always measure existing drain at the first point of outlet entry and after it has been cleaned.

2. Make sure Proliner outlet extends a minimum of 5" into drain pipe. In some instances as when a right angle turn is quickly encountered outlet may be too long. Sizing to length is easily done with tin snips, hack saw or small propane torch.

3. Choose drain flange surface options best suited for application into re-roofing system. PRIMED for BUR and Modified Bitumen; PLAIN for EPDM Rubber and Hypalon; and PVC Coated for PVC and other thermoplastic systems. Clamping ring option, which is available on only Proliner Straight, is recommended for single-ply systems.

4. Order drain by catalog no. found in charts at left and add suffix giving flange surface option. For example: an order code for a large sumped drain with an existing 3" pipe to be flashed into a retrofit BUR roof system would be PF3 PRIMED.

5. To help eliminate incorrect orders, always verify sizes and specifications before placing order.

6. Further technical assistance may be obtained by calling toll free:

**1-800-828-8424**

### WARRANTY

Marathon products are inspected and warranted. Any product proven to be defective within 1 year of installation will be replaced or cost price refunded, at the Company's option, excluding the following:

- Damage caused in transit
- Coatings, adhesives and cements not applied in factory
- Failure caused by other than drain usage from a roof, i.e. damage by workman, falling objects, caustic and acidic conditions.